

**In the Specification:**

Replace the paragraph beginning at page 2, line 28 with the following paragraph:

FIGS. 3 to 21, respectively different representations, which will be explained in greater detail hereinafter in the ANNEX.

Replace the paragraph beginning at page 6, line 9 with the following paragraph:

As long as no undamped machine oscillation can be registered, the loop gain  $kV$  is increased in method steps S110 and S120 stepwise  $kV$  up to a loop gain  $kV_{\max 3}$ , at which an undamped machine oscillation can be registered.

Replace the paragraph beginning at page 6, line 12 with the following paragraph:

A check is thereupon made in method step S130, whether the loop gain  $kV_{\max 3}$  determined in this way is greater than the loop gain  $kV_{\max 2}$ , which had been maximal up to this time. If it is, then the amplification factor  $kV_{\max 3}$  is set equal to  $kV_{\max 2}$  per step S135 and the method continues with step 100.

Replace the paragraph beginning at page 6, line 35 with the following paragraph:

The theoretical considerations on which the present invention is based will be explained in greater detail in what follows in the following description ANNEX and several simulations and test results will be presented.

Replace the heading beginning at page 7, line 2 with the following heading:

[ANNEX]  
[(☐Theory, Simulation and Test Results $\square$ )]